

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072605 A1

(51) International Patent Classification⁷: A61B 5/00

[US/US]; 525 East 72nd Street, Apartment 33-I, New York, NY 10021 (US).

(21) International Application Number:
PCT/US2005/003399

(74) Agent: BOOKS, Mark E.; POLSTER LIEDER WOODRUFF & LUCCHESI, 12412 Powerscourt Drive, Suite 200, St. Louis, MO 63131 (US).

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
60/540,147 29 January 2004 (29.01.2004) US

(71) Applicant (for all designated States except US): EVEREST BIOMEDICAL INSTRUMENTS CO. [US/US]; 16690 Swingley Ridge Road, Suite 140, Chesterfield, MO 63017 (US).

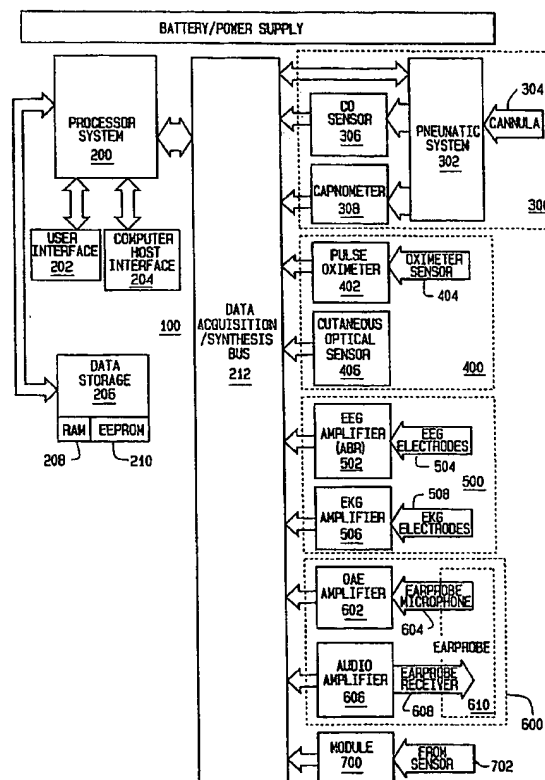
(72) Inventor; and

(75) Inventor/Applicant (for US only): CAUSEVIC, Elvir

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: MULTIFUNCTION INFANT MONITORING SYSTEM



(57) Abstract: A medical screening device(100) configured to measure and monitor combinations of blood chemistry, breath gasses, and bioelectrical signals such as evoked auditory signals and EEG signals associated with human auditory testing to facilitate detection of abnormal medical conditions or disorders in human patients by providing a cumulative index representative of at least one detected medical disorder in the human patient.

WO 2005/072605 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*